

09/106,784

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## EAST SEARCH

12/13/99

Databases

L#	Hits	Search String	Databases
L3	390	((missing or unknown) near2 data) and predict\$ and model\$	USPAT; EPO; JPO
L4	187	((MISSING NEAR2 DATA) AND PREDICT\$ AND MODEL\$)	USPAT; EPO; JPO

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### Results of search set L4:

Document ID	Title	Issue Date	Current OR
EP 336685 A2	Impulse noise detection and suppression. FPD 19891011 METHOD AND APPARATUS FOR PREPROCESSING INPUT DATA TO A NEURAL NETWORK FPD 19940804		
WO 9417482 A1	Method and apparatus for preprocessing input data to a neural network FPD 19980317		
US 5729661 A	PERIPHERAL DEVICE ANALYSIS	19780131	714/718
US 3711691 A	Loop integration control system	19850312	700/44
US 4071744 A	Magnetic media test fixture apparatus		360/31
US 4504871 A	Automatic welding with imaging of workpiece surfaces and of the junction between the surfaces	19861007	219/124.34
US 4616121 A	System protocol for composite shift keying communication system	19871222	375/285
US 4715045 A	Computer integrated manufacturing system	19890502	700/96
US 4827423 A	Mandibular motion monitoring system	19890606	433/69
US 4836778 A	Compression and de-compression of column-interlaced, row-interlaced graylevel digital images	19890926	382/238
US 4870695 A			

US 4878169 A	Region of interest tomography employing a differential scanning technique	19891031	382/131
US 4975865 A	Method and apparatus for real-time control	19901204	700/10
US 5027372 A	Differential phase shift keying modulator	19910625	375/308
US 5134480 A	Time-recursive deinterlace processing for television-type signals	19920728	348/620
US 5150473 A	Data storage format for addressable or sequential memory media	19920922	711/162
US 5155695 A	Time scale computation system including complete and weighted ensemble definition	19921013	702/178
US 5187721 A	Frequency shift keying modulator	19930216	375/303
US 5193004 A	Systems and methods for coding even fields of interlaced video sequences	19930309	348/413
US 5203122 A	Method of grinding titanium	19930420	451/53
US 5206807 A	Neonatal cardiorespirograph incorporating multi-variable display and memory	19930427	600/484
US 5221924 A	Wind shear alert system	19930622	340/968
US 5235515 A	Method and apparatus for controlling the cutting and placement of components on a moving substrate	19930810	700/125
US 5241963 A	Method for detecting the onset and relative degree of atherosclerosis in humans	19930907	600/481
US 5286543 A	Method and apparatus for controlling the cutting and placement of components on a moving substrate, and article made therewith	19940215	428/74
US 5297556 A	Method of detecting atherosclerosis while excluding motion artifacts	19940329	600/481
US 5299133 A	Method for determining and controlling fiber luster properties	19940329	700/95
US 5315566 A	Time scale computation system	19940524	368/46
US 5317741 A	Computer method for identifying a misclassified software object in a cluster of internally similar software objects	19940531	395/703
US 5319968 A	Apparatus for determining 3-axis space craft attitude	19940614	73/178R
US 5319969 A	Method for determining 3-axis spacecraft attitude	19940614	73/178R
US 5321613 A	Data fusion workstation	19940614	702/1
US 5333277 A	Data buss interface and expansion system	19940726	710/101
US 5343867 A	Method and apparatus for detecting the onset and relative degree of atherosclerosis in humans	19940906	600/481
US 5369570 A	Method and system for continuous integrated resource management	19941129	705/8
US 5380667 A	Serum bilirubin and liver function tests as risk predictors for coronary artery disease	19950110	436/71
US 5381095 A	Method of estimating location and orientation of magnetic dipoles using extended Kalman filtering and Schweppe likelihood ratio detection	19950110	324/326
US 5390258 A	Feature guided method and apparatus for obtaining an image of an object	19950214	382/131
US 5398300 A	Neural network having expert system functionality	19950314	706/16
US 5410551 A	Net verification method and apparatus	19950425	714/736
US 5428788 A	Feature ratio method for computing software similarity	19950627	395/703
US 5436965 A	Method and system for optimization of telephone contact campaigns	19950725	379/266

US 5437055 A	Antenna system for multipath diversity in an indoor microcellular communication system	19950725	455/562
US 5438676 A	Method for adapting a similarity function for identifying misclassified software objects	19950801	395/703
US 5440742 A	Two-neighborhood method for computing similarity between two groups of objects	19950808	395/703
US 5444697 A	Method and apparatus for frame synchronization in mobile OFDM data communication	19950822	370/207
US 5444820 A	Adaptive system and method for predicting response times in a service environment	19950822	706/21
US 5446759 A	Information transmission system and method of operation	19950829	375/267
US 5448684 A	Neural network, neuron, and method for recognizing a missing input valve	19950905	706/20
US 5449683 A	Methods of inducing sleep using melatonin	19950912	514/415
US H001498 H	Polygenic trait determinants: maize dwarf mosaic virus	19951107	536/24.3
US 5469167 A	Synthetic aperture radar for nonlinear trajectories using range relative doppler processing and invariant mapping	19951121	342/25
US 5479573 A	Predictive network with learned preprocessing parameters	19951226	706/21
US 5483445 A	Automated billing consolidation system and method	19960109	705/40
US 5485621 A	Interactive method of using a group similarity measure for providing a decision on which groups to combine	19960116	395/703
US 5493647 A	Digital signal recording apparatus and a digital signal reproducing apparatus	19960220	714/42
US 5502726 A	Serial layered medical network	19960326	370/392
US 5502728 A	Large, fault-tolerant, non-volatile, multiported memory	19960326	714/5
US 5537119 A	Method and system for tracking multiple regional objects by multi-dimensional relaxation	19960716	342/96
US 5537511 A	Neural network based data fusion system for source localization	19960716	706/24
US 5546472 A	Feature guided method and apparatus for obtaining an image of an object	19960813	382/131
US 5551431 A	Correction of magnetic resonance imager intensity inhomogeneities using tissue properties	19960903	600/410
US 5553007 A	Travel computer with memory and means for determining various performance variables in real time	19960903	702/182 ;
US 5572125 A	Correction and automated analysis of spectral and imaging data	19961105	324/307
US 5574890 A	Computer design tool for rotary slitting of metal and a method of use thereof	19961112	395/500.01
US 5576949 A	System for animal evaluation through image acquisition	19961119	702/179
US 5577265 A	Antenna system for multipath diversity in an indoor microcellular communication system	19961119	370/335
US 5583825 A	Method for deriving reservoir lithology and fluid content from pre-stack inversion of seismic data	19961210	367/31

US 5589741 A	System for creating naturalistic illumination cycles	19961231	315/360
US 5598226 A	Repairing corrupted data in a frame of an image sequence	19970128	348/607
US 5600848 A	Counterflow pipeline processor with instructions flowing in a first direction and instruction results flowing in the reverse direction	19970204	712/42
US 5602956 A	Picture signal coding method, decoding method and picture signal recording medium	19970211	386/68
US 5613041 A	Method and apparatus for operating neural network with missing and/or incomplete data	19970318	706/17
US 5613072 A	System for funding future workers compensation losses	19970318	705/4
US 5621790 A	Method and system for optimization of telephone contact campaigns	19970415	379/266
US 5633811 A	Hand held data collector and analyzer system	19970527	702/56
US 5638281 A	Target prediction and collision warning system	19970610	701/301
US 5641801 A	Method of reducing the period before the onset of sleep	19970624	514/415
US 5642936 A	Methods for identifying human hereditary disease patterns	19970701	600/300
US 5644643 A	Chute for use with an animal evaluation system	19970701	382/110
US 5659593 A	Detection of deviations in monitored patterns	19970819	379/13
US 5661667 A	3D imaging using a laser projector	19970826	702/95
US 5668897 A	Method and apparatus for imaging, image processing and data compression merge/purge techniques for document image databases	19970916	382/283 ;
US 5673210 A	Signal restoration using left-sided and right-sided autoregressive parameters	19970930	702/69
US 5675553 A	Method for data gap compensation	19971007	367/135
US 5677899 A	Method for moving carriage assembly from initial position to target position relative to storage medium	19971014	369/44.28
US 5684929 A	Method and apparatus for determining the limit on learning machine accuracy imposed by data quality	19971104	706/25
US 5684855 A	X-ray CT scanner	19971104	378/4
US 5687716 A	Selective differentiating diagnostic process based on broad data bases	19971118	600/300
US 5689585 A	Method for aligning a text image to a transcription of the image	19971118	382/229
US 5689305 A	System for deinterlacing digitally compressed video and method	19971118	348/416
US 5691895 A	Mechanism and architecture for manufacturing control and optimization	19971125	700/29
US 5694428 A	Transmitting circuitry for serial transmission of encoded information	19971202	375/260
US 5696884 A	Method for assisting in rendering a decision using improved belief networks	19971209	706/61
US 5699246 A	Method to estimate a corrected response of a measurement apparatus relative to a set of known responses and observed measurements	19971216	702/11
US 5701400 A	Method and apparatus for applying if-then-else rules to data sets in a relational data base and generating from the results of application of said rules a database of diagnostics linked to said data sets to aid executive analysis of financial data	19971223	706/45

US 5700204 A	Projectile motion parameter determination device using successive approximation and high measurement angle speed sensor	19971223	473/199
US 5704018 A	Generating improved belief networks	19971230	706/12
US 5704017 A	Collaborative filtering utilizing a belief network	19971230	706/12
US 5706401 A	Method for editing an input quantity for a neural network	19980106	706/25
US 5708591 A	Method and apparatus for predicting the presence of congenital and acquired imbalances and therapeutic conditions	19980113	702/22
US 5710700 A	Optimizing functional operation in manufacturing control	19980120	700/29
US 5710798 A	System for wireless transmission and receiving of information and method of operation thereof	19980120	375/347
US 5712984 A	System for funding future workers' compensation losses	19980127	705/4
US 5715468 A	Memory system for storing and retrieving experience and knowledge with natural language	19980203	704/9
US 5717133 A	Mixed sampling rate processing for misfire detection	19980210	73/116
US 5717725 A	System for wireless transmission and receiving of information through a computer bus interface and method of operation	19980210	375/347
US 5720003 A	Method and apparatus for determining the accuracy limit of a learning machine for predicting path performance degradation in a communications network	19980217	706/21
US 5727128 A	System and method for automatically determining a set of variables for use in creating a process model	19980310	706/45
US 5729511 A	Optical disc system having servo motor and servo error detection	19980317	369/44.27
US 5729661 A	operated relative to monitored quad sum signal	19980317	706/16
US 5729710 A	Method and apparatus for preprocessing input data to a neural network	19980317	711/203
US 5739450 A	Method and apparatus for management of mapped and unmapped regions of memory in a microkernel data processing system	19980317	84/462
US 5742644 A	Keyboard musical instrument equipped with dummy key/hammer event supplementing system	19980414	375/316
US 5745532 A	Receiving circuitry for receiving serially transmitted encoded information	19980421	375/347
US 5746023 A	System for wireless transmission and receiving of information and method of operation thereof	19980428	800/266
US 5748578 A	Method to identify genetic markers that are linked to agronomically important genes	19980505	369/44.14
US 5748780 A	Colpitts type oscillator having reduced ringing and improved optical system utilizing same	19980505	382/232 ;
US 5748848 A	Method and apparatus for imaging, image processing and data compression	19980505	706/25
US 5751360 A	Learning method for a neural network	19980512	348/409
US 5751773 A	Code amount controlling method for coded pictures	19980512	375/346
	System for wireless serial transmission of encoded information		

US 5752007 A	System and method using separators for developing training records for use in creating an empirical model of a process	19980512	395/500.23
US 5754730 A	Method for predicting what video data should be in a cache which is in a disk-based digital video recorder	19980519	386/124
US 5754764 A	Combination of input output circuitry and local area network systems	19980519	709/200
US 5768475 A	Method and apparatus for automatically constructing a data flow architecture Semi-Autonomous RISC pipelines for overlapped execution of RISC-like instructions within the multiple superscalar execution units of a processor having distributed pipeline control for speculative and out-of-order execution of complex instructions	19980616	706/45
US 5768575 A	Process for the transmission of images	19980616	712/228
US 5771102 A	Seismic prospection method with application of a self-deconvoluted prediction error filter	19980623	358/433
US 5771203 A	Semi-autonomous RISC pipelines for overlapped execution of RISC-like instructions within the multiple superscalar execution units of a processor having distributed pipeline control for speculative and out-of-order execution of complex instructions	19980623	367/46
US 5781753 A	Method and apparatus for analyzing a neural network within desired operating parameter constraints	19980714	712/218
US 5781432 A	Apparatus for controlling an electrical current passed to a writing device in an optical storage system	19980714	700/44
US 5796703 A	Method for carrying out a medical procedure using a three-dimensional tracking and imaging system	19980818	369/116
US 5797849 A	Method for determining alcohol consumption rates	19980825	600/461
US 5798267 A	Method of simulating an integrated circuit	19980825	436/97
US 5799172 A	Generating improved belief networks	19980825	395/500.35
US 5802256 A	Method for training a neural network with the non-deterministic behavior of a technical system	19980901	706/59
US 5806053 A	System for just-in-time retrieval of multimedia files over computer networks by transmitting data packets at transmission rate determined by frame size	19980908	706/23
US 5822524 A	Prediction method of traffic parameters	19981013	709/203
US 5822712 A	Concurrent learning and performance information processing system	19981013	701/117
US 5835902 A	Acoustic condition sensor employing a plurality of mutually non-orthogonal waves	19981110	706/26
US 5854450 A	Focusing method and system for focus capture and focus control in optical disc system including detection of Quad Sum signal to close focus	19981229	178/18.04
US 5828054 A	Method for operating a neural network with missing and/or incomplete data	19981027	250/201.5
US 5819006 A	Information transmission system for transmitting video signals over cellular telephone networks	19981006	706/25
US 5841971 A		19981124	709/200

US 5839438 A	Computer-based neural network system and method for medical diagnosis and interpretation	19981124	600/300
US 5842189 A	Method for operating a neural network with missing and/or incomplete data	19981124	706/16
US 5842202 A	Systems and methods for data quality management	19981124	707/3
US 5841511 A	Method of corneal analysis using a checkered placido apparatus	19981124	351/212
US 5825646 A	Method and apparatus for determining the sensitivity of inputs to a neural network on output parameters	19981020	700/44
US 5865763 A	Method for estimating creatinine clearance in obese and malnourished subjects using measurements of body cell mass	19990202	600/547
US 5867799 A	Information system and method for filtering a massive flow of information entities to meet user information classification needs	19990202	707/1
US 5867402 A	Computational analysis of nucleic acid information defines binding sites	19990202	702/20
US 5870699 A	Hand held data collector and analyzer system	19990209	702/190
US 5875108 A	Ergonomic man-machine interface incorporating adaptive pattern recognition based control system	19990223	700/17
US 5875158 A	Servo control system for information storage device	19990223	369/44.34
US 5878015 A	Laser driver for controlling electrical current passed to a laser in an optical disc system	19990302	369/116
US 5886276 A	System and method for multiresolution scalable audio signal encoding	19990323	84/603
US 5890115 A	Speech synthesizer utilizing wavetable synthesis	19990330	704/258
US 5889799 A	Method and system for optimization of telephone contact campaigns	19990330	379/266
US 5891868 A	Methods for treating postmenopausal women using ultra-low doses of estrogen	19990406	514/178
US 5901246 A	Ergonomic man-machine interface incorporating adaptive pattern recognition based control system	19990504	382/209
US 5907822 A	Loss tolerant speech decoder for telecommunications	19990525	704/202
US 5908978 A	Methods for within family selection of disease resistance in woody perennials using genetic markers	19990601	800/319
US 5909476 A	Iterative process for reconstructing cone-beam tomographic images	19990601	378/4
US 5912700 A	System for enhancing the television presentation of an object at a sporting event	19990615	348/157
US 5920539 A	Apparatus and method for suppression of electromagnetic emissions having a groove on an external surface for passing an electrical conductor	19990706	369/244
US 5920852 A	Large memory storage and retrieval (LAMSTAR) network	19990706	706/26
US 5924486 A	Environmental condition control and energy management system and method	19990720	165/238
US 5928330 A	System, device, and method for streaming a multimedia file	19990727	709/231
US 5930202 A	Acoustic counter-sniper system	19990727	367/127
US 5930369 A	Secure spread spectrum watermarking for multimedia data	19990727	380/54
US 5930764 A	Sales and marketing support system using a customer information database	19990727	705/10
US 5930798 A	Universal data measurement, analysis and control system	19990727	707/102

US 5945940 A	Coherent ultra-wideband processing of sparse multi-sensor/multi-spectral radar measurements	19990831	342/90
US 5946210 A		19990831	700/97
US 5950182 A	Method and apparatus for automatically constructing a data flow architecture	19990907	706/45
US 5956729 A	Multimedia file, supporting multiple instances of media types, and method for forming same	19990921	707/104
US 5959574 A	Method and system for tracking multiple regional objects by multi-dimensional relaxation	19990928	342/96
US 5949678 A	Method for monitoring multivariate processes	19990907	
US 5963653 A	Hierarchical information fusion object recognition system and method	19991005	382/103
US 5970482 A	System for data mining using neuroagents	19991019	706/16
US 5974007 A	Apparatus for moving a carriage assembly from an initial position to a target position	19991026	369/32
US 5980096 A	Computer-based system, methods and graphical interface for information storage, modeling and stimulation of complex systems	19991109	
US 5983214 A	System and method employing individual user content-based data and user collaborative feedback data to evaluate the content of an information entity in a large information communication network	19991109	707/1
US 5983251 A	Method and apparatus for data analysis	19991109	708/203
US 5986224 A	Acoustic condition sensor employing a plurality of mutually non-orthogonal waves	19991116	178/18.04
US 5987387 A	Method of dip moveout analysis on a massively parallel computer	19991116	702/14
US 5991733 A	Method and computerized system for managing insurance receivable accounts	19991123	705/8